

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P635758

Luminaire Tested: GWS-SA3E-740-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635758
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-740-U-5MQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13436.6 lumens
Efficiency: N/A
Efficacy: 84.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

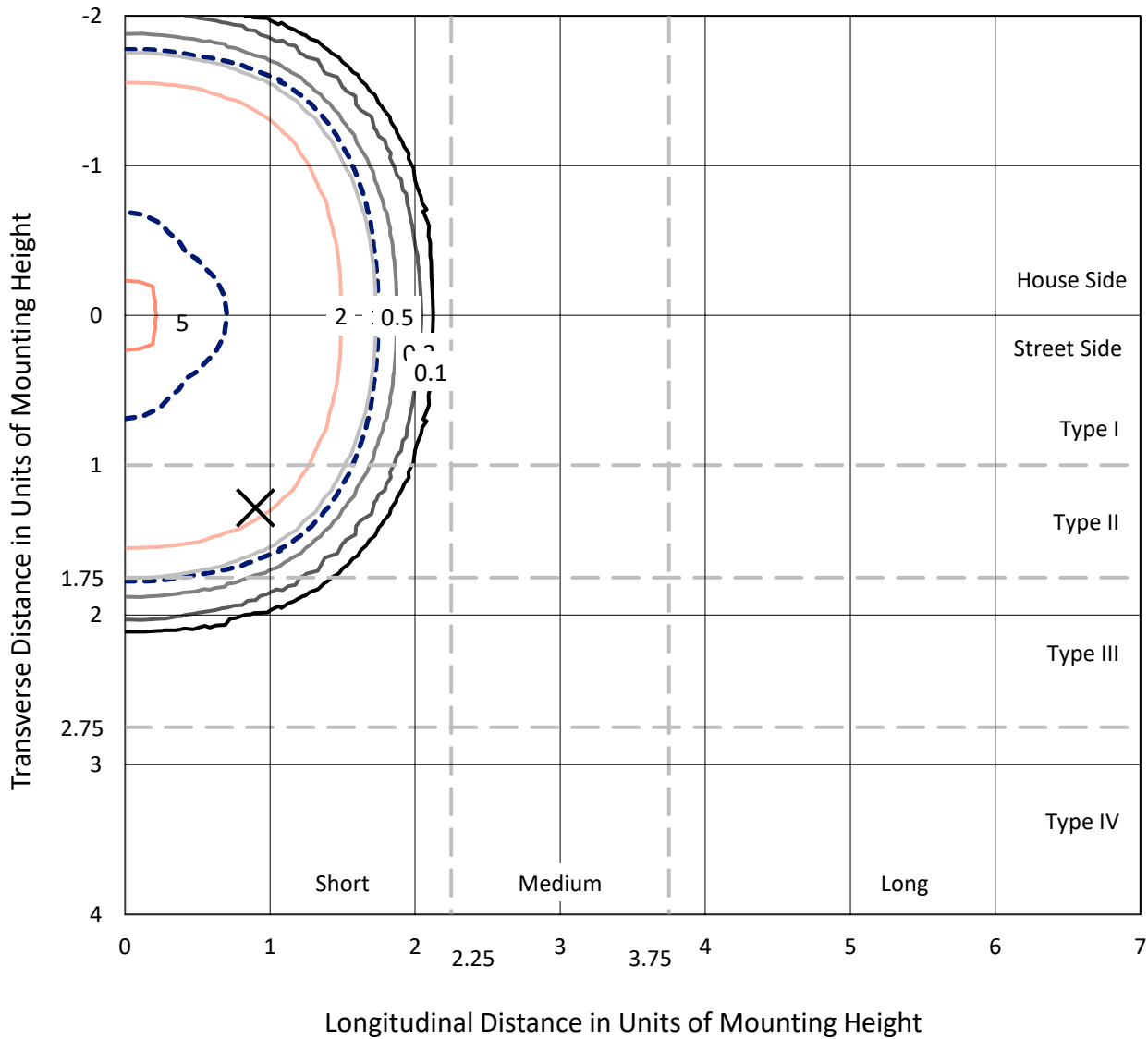


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Iso-Footcandle Lines of Horizontal Illumination

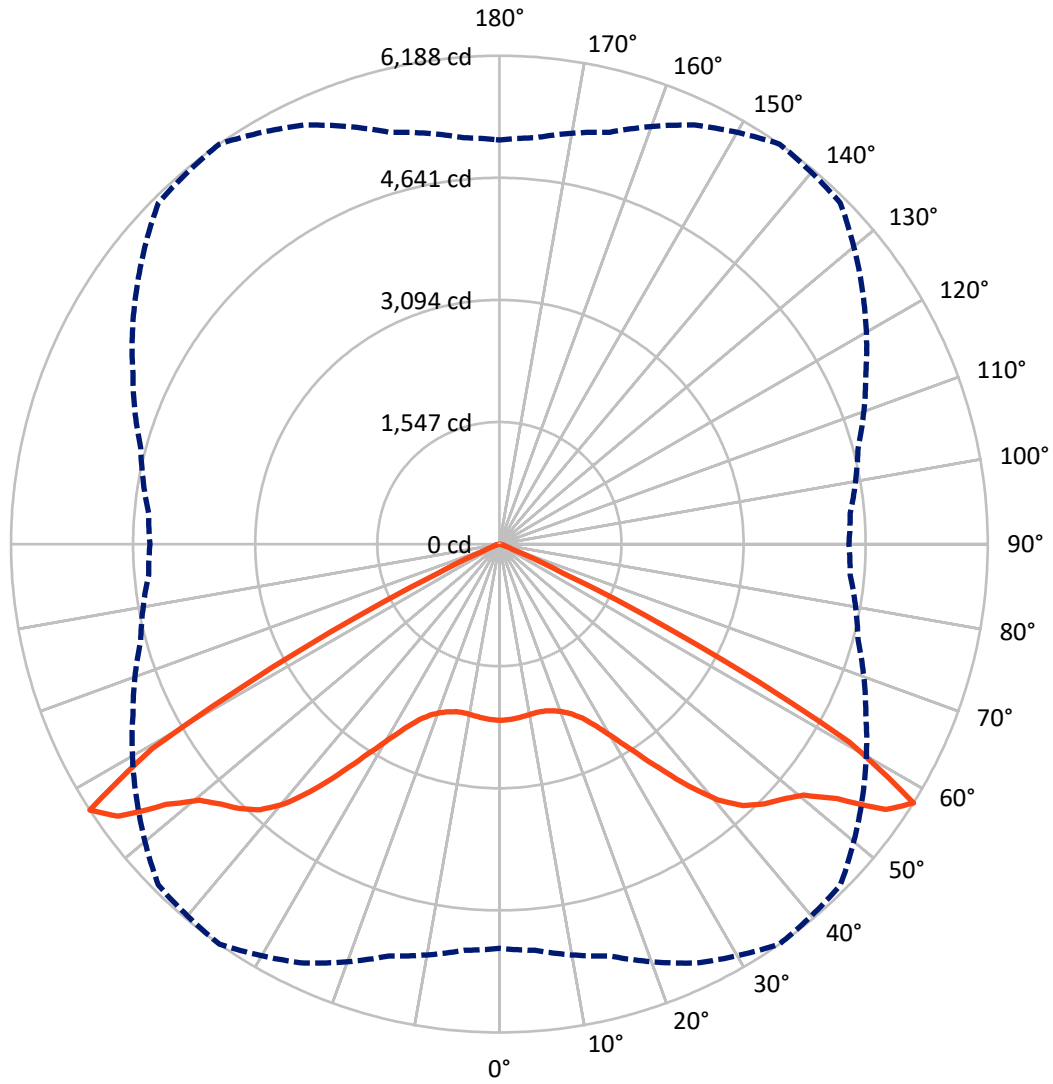
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6718.3	0.0	6718.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6718.3	0.0	6718.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	13436.6	0.0	13436.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	210.5	1.6
10°-20°	619.1	4.6
20°-30°	1119.1	8.3
30°-40°	2087.8	15.5
40°-50°	3502.3	26.1
50°-60°	4625.1	34.4
60°-70°	1228.3	9.1
70°-80°	43.6	0.3
80°-90°	0.8	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	13436.6	100.0
0°-180°	13436.6	100.0

Coefficient of Utilization



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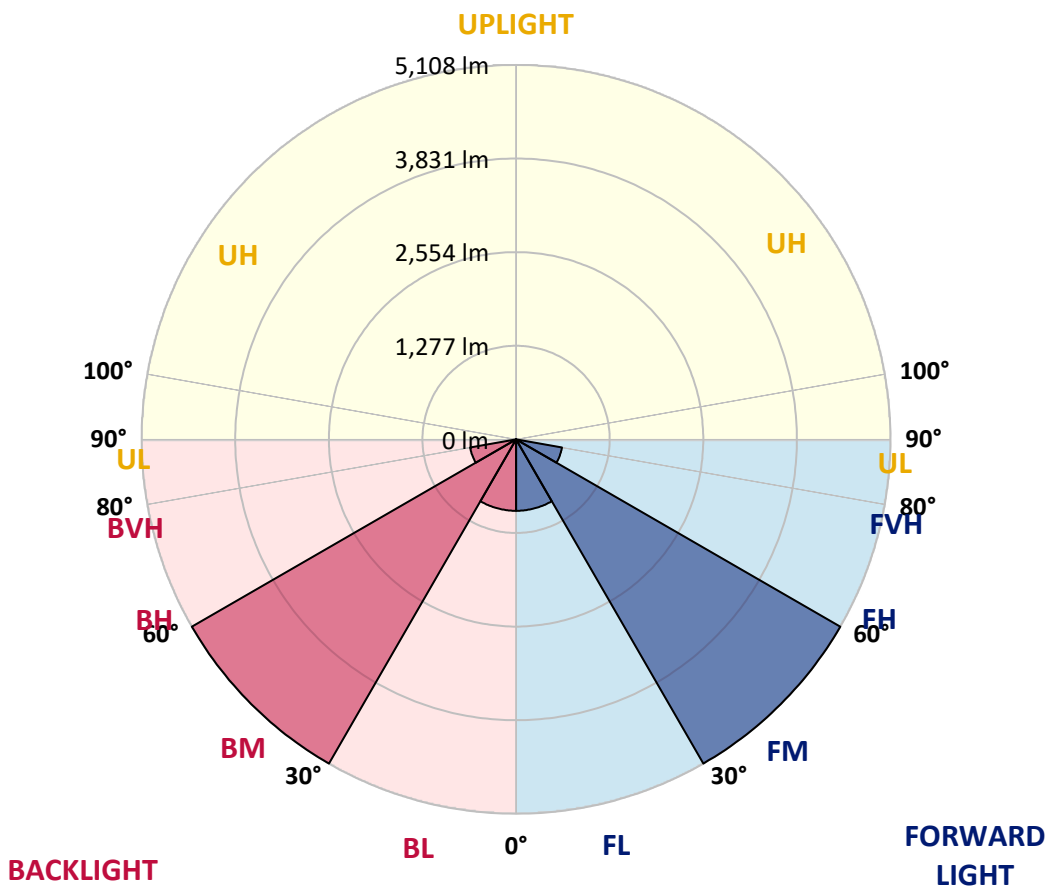
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	974.3	7.3			
FM (30°-60°)	5107.6	38.0			
FH (60°-80°)	636.0	4.7			G0/660
FVH (80°-90°)	0.4	0.0			G0/10
BL (0°-30°)	974.3	7.3	B2/1000		
BM (30°-60°)	5107.6	38.0	B4/8500		
BH (60°-80°)	636.0	4.7	B2/1000		G0/660
BVH (80°-90°)	0.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2234.0	2234.0	2234.0	2234.0	2234.0	2234.0	2234.0	2234.0	2234.0	2234.0	2234.0
2.5°	2218.2	2216.6	2222.9	2227.6	2227.6	2238.7	2235.5	2232.4	2229.2	2224.5	2235.5
5°	2215.0	2213.5	2218.2	2221.3	2218.2	2227.6	2221.3	2215.0	2211.9	2205.6	2218.2
7.5°	2200.8	2202.4	2205.6	2208.7	2204.0	2211.9	2204.0	2194.5	2186.7	2180.4	2191.4
10°	2178.8	2180.4	2183.5	2189.8	2191.4	2202.4	2191.4	2174.0	2163.0	2153.6	2164.6
12.5°	2167.7	2169.3	2174.0	2181.9	2183.5	2197.7	2183.5	2158.3	2142.5	2131.5	2142.5
15°	2170.9	2174.0	2180.4	2189.8	2193.0	2207.2	2188.2	2155.1	2133.1	2118.9	2128.3
17.5°	2181.9	2185.1	2194.5	2210.3	2221.3	2235.5	2211.9	2169.3	2139.4	2118.9	2128.3
20°	2196.1	2200.8	2216.6	2241.8	2265.5	2290.7	2260.8	2202.4	2163.0	2137.8	2145.7
22.5°	2235.5	2240.3	2262.3	2295.4	2334.9	2366.4	2330.1	2256.0	2202.4	2169.3	2177.2
25°	2315.9	2320.7	2349.0	2391.6	2442.1	2483.0	2437.3	2344.3	2274.9	2237.1	2240.3
27.5°	2442.1	2446.8	2479.9	2539.8	2607.6	2665.9	2599.7	2490.9	2412.1	2368.0	2368.0
30°	2601.3	2607.6	2651.7	2732.1	2837.8	2915.0	2825.2	2692.7	2591.8	2531.9	2533.5
32.5°	2806.2	2799.9	2863.0	2973.4	3123.1	3225.6	3093.2	2932.4	2807.8	2724.3	2732.1
35°	3069.5	3067.9	3138.9	3288.7	3484.2	3607.1	3449.5	3241.4	3091.6	3006.5	3008.0
37.5°	3408.5	3406.9	3488.9	3651.3	3886.2	3988.6	3812.1	3600.8	3440.0	3358.0	3367.5
40°	3805.8	3796.3	3868.8	4024.9	4259.8	4326.0	4133.7	3963.4	3808.9	3756.9	3782.1
42.5°	4184.1	4163.6	4206.2	4348.1	4529.4	4538.9	4393.8	4277.2	4171.5	4130.5	4146.3
45°	4488.4	4472.6	4512.1	4594.0	4698.1	4650.8	4581.4	4545.2	4460.0	4415.9	4430.1
47.5°	4715.4	4715.4	4762.7	4813.2	4828.9	4742.2	4753.3	4753.3	4668.1	4598.8	4581.4
50°	4910.9	4925.1	4996.1	5048.1	4996.1	4885.7	4948.8	4936.1	4762.7	4624.0	4587.7
52.5°	5223.1	5237.3	5346.0	5417.0	5358.7	5249.9	5257.8	5100.1	4844.7	4680.7	4624.0
55°	5554.1	5588.8	5746.5	5935.7	5937.2	5825.3	5617.2	5338.2	5027.6	4849.4	4791.1
57.5°	5120.6	5167.9	5402.8	5858.4	6187.9	6110.7	5614.1	5123.8	4704.4	4461.6	4428.5
60°	3523.6	3605.5	3840.4	4463.2	5098.5	5128.5	4542.0	3991.8	3511.0	3211.4	3217.7
62.5°	1488.3	1571.8	1704.2	2216.6	2799.9	2836.2	2552.4	2158.3	1765.7	1549.7	1582.8
65°	350.0	373.6	413.1	613.3	889.2	930.2	857.6	668.5	493.5	417.8	425.7
67.5°	152.9	156.1	148.2	157.7	195.5	200.2	193.9	170.3	160.8	164.0	164.0
70°	107.2	108.8	102.5	97.7	93.0	86.7	89.9	99.3	107.2	113.5	111.9
72.5°	66.2	67.8	69.4	69.4	64.6	58.3	61.5	67.8	69.4	70.9	69.4
75°	33.1	34.7	37.8	39.4	37.8	36.3	36.3	37.8	37.8	36.3	36.3
77.5°	6.3	7.9	11.0	12.6	12.6	12.6	12.6	12.6	14.2	12.6	12.6
80°	1.6	1.6	3.2	1.6	1.6	1.6	1.6	1.6	1.6	3.2	3.2
82.5°	1.6	1.6	1.6	1.6	0.0	0.0	1.6	1.6	1.6	1.6	1.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)